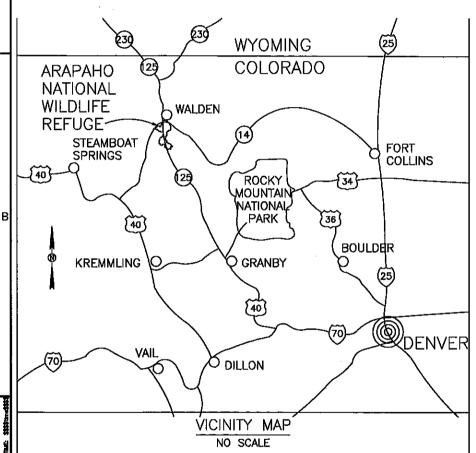
ARAPAHOR NW DIVERSION RECONSTRUCTION AS-BUILTS



DIVERSION RECONSTRUCTION FOR:

HUBBARD #2 OKLAHOMA #1 HILL & CROWDER DRYER

PREPARED BY:

INDEX OF DRAWINGS:

1. HUBBARD #2 PLAN VIEW-HEADQUITATEN (@ SOUTH END OF REGULT)
2. OKLAHOMA #1 PLAN VIEW - NO WATER (@ SOUTH END OF REGULT)

- 3. HILL & CRÖWDER PLAN VIEW
- DRYER PLAN VIEW
- 5. WEIR STRUCTURE DETAILS
- 6. WEIR STRUCTURE DETAILS
- 7. DIVERSION STRUCTURE DETAILS

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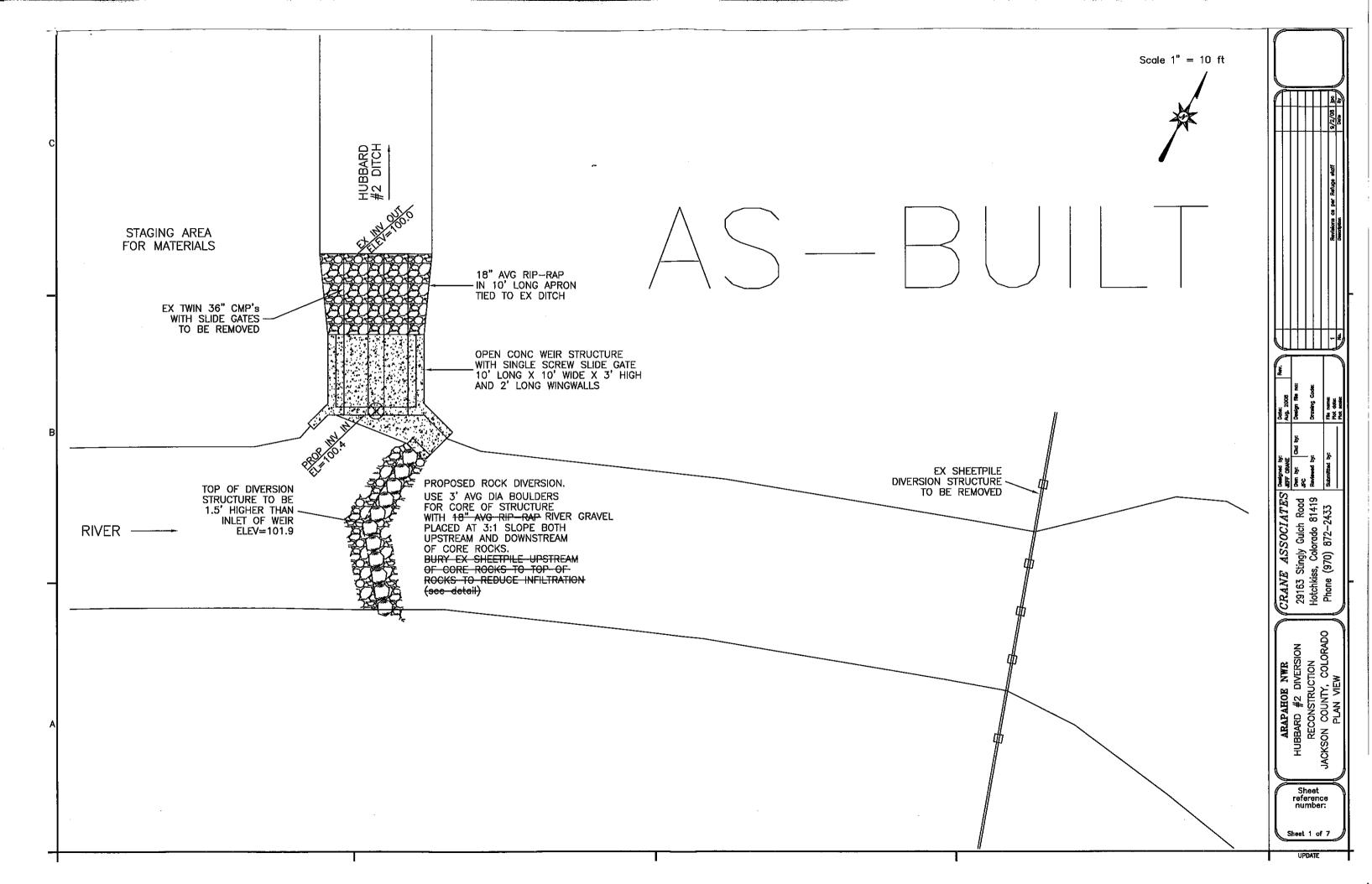
29163 STINGLEY GULCH ROAD HOTCHKISS, CO 81419 (970) 872-2433

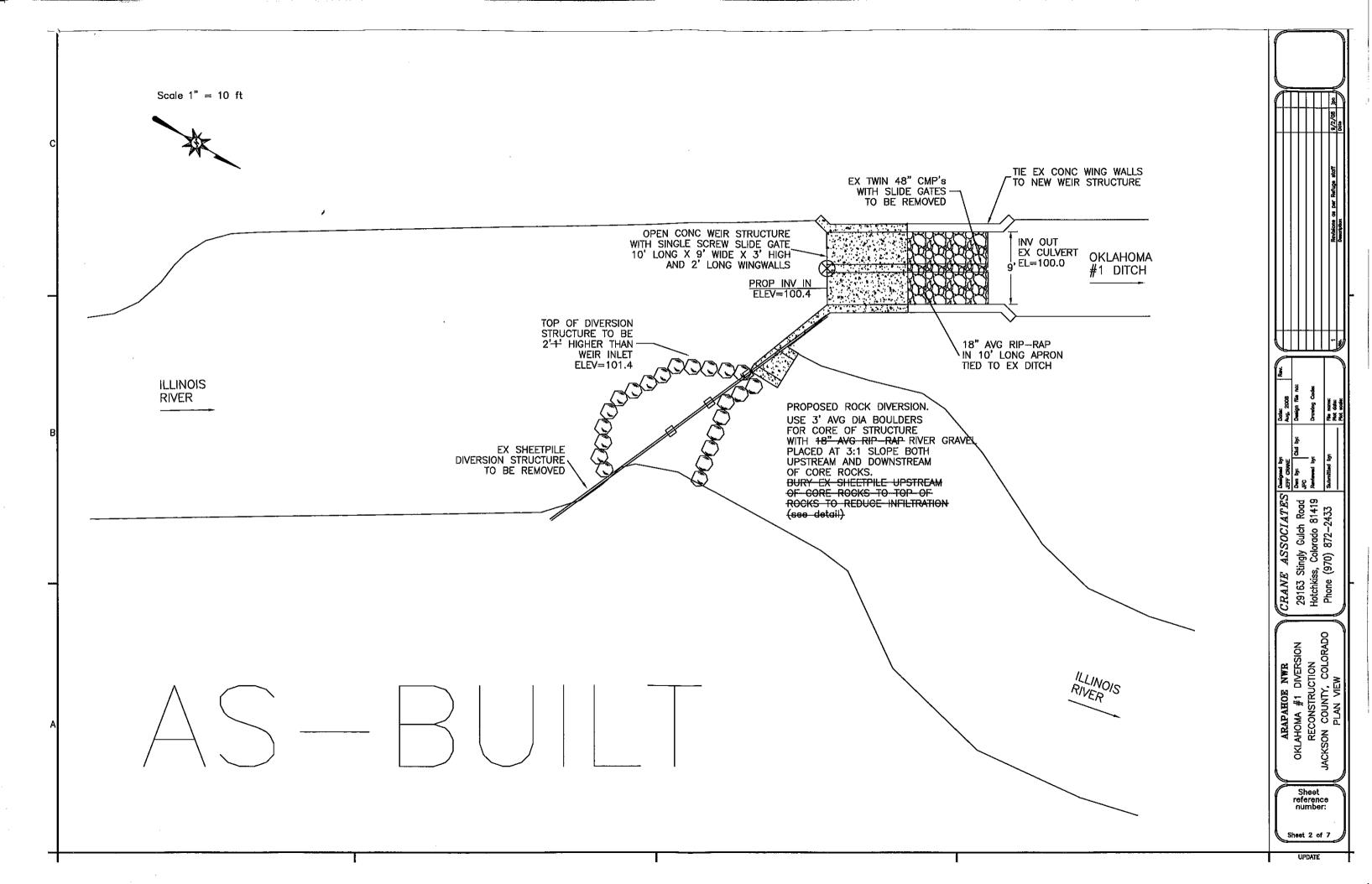
> NOVEMBER SEPTEMBER 2008

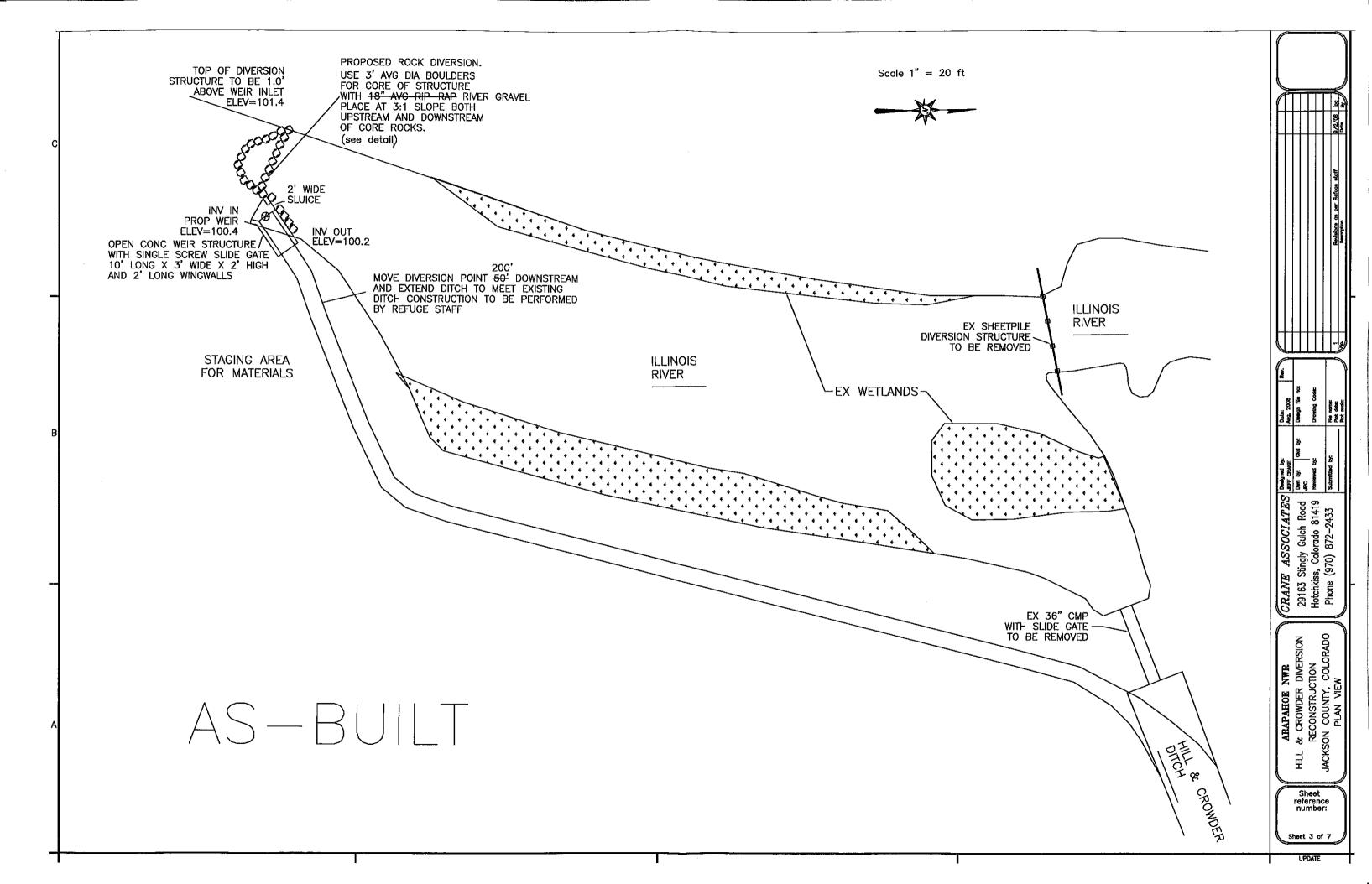
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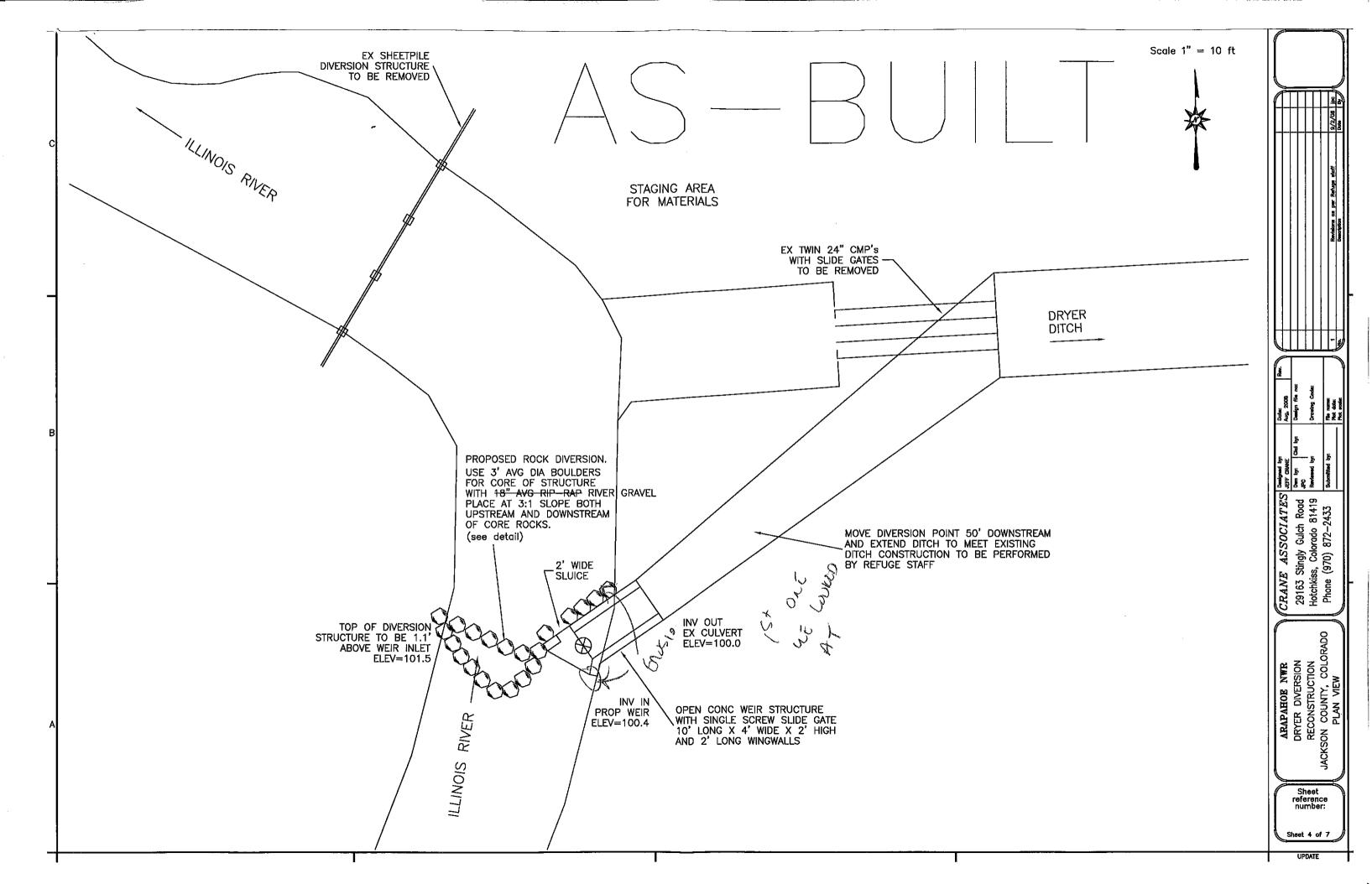
All work shall conform to Construction Speciafications 32, Concrete. In addition, the following is required:

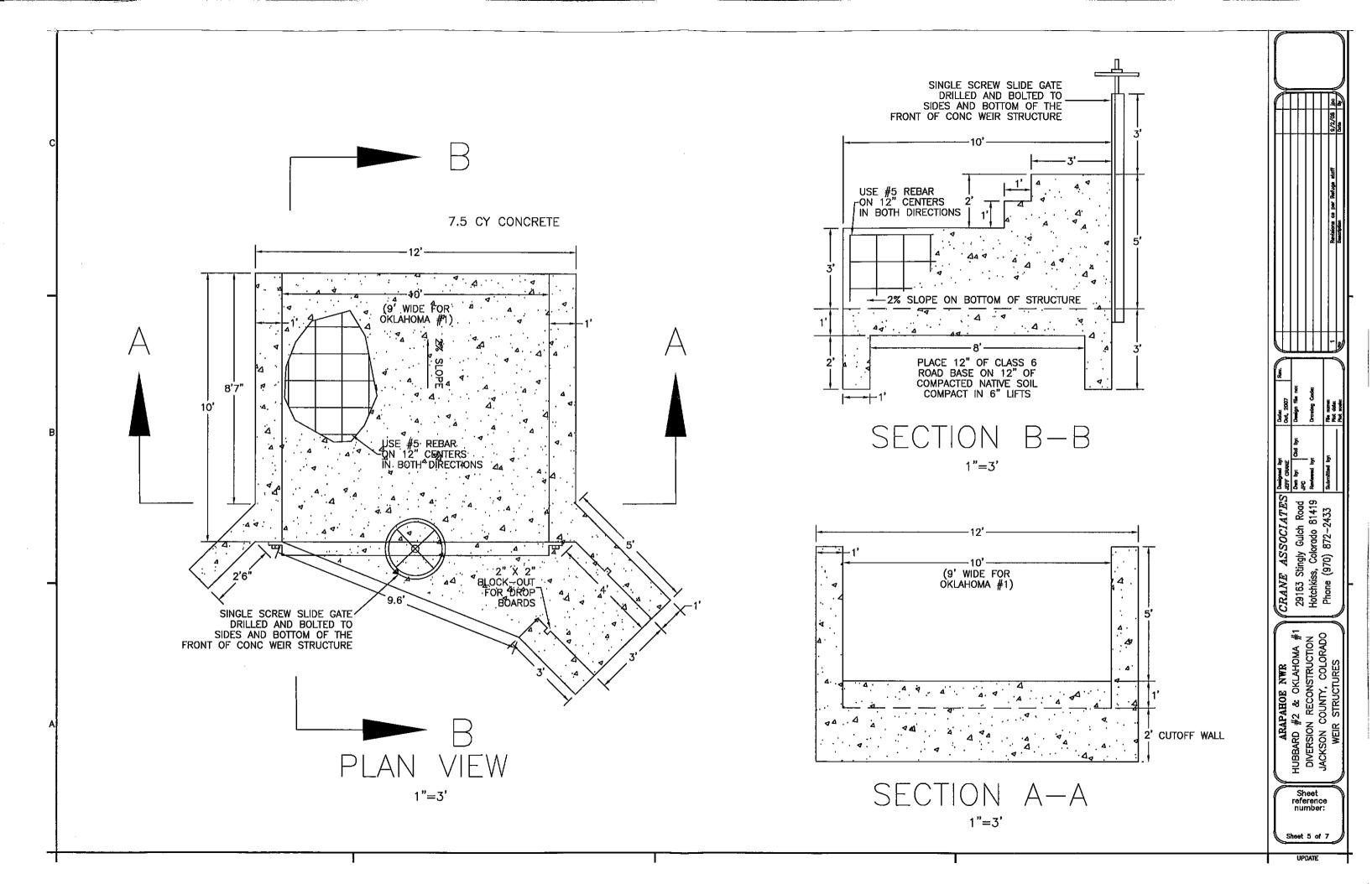
- 1. The concrete shall a 28 day compressive strength of 4000 psi and contain a minimum of 6 sacks of Type II (or equal) cement per cubic yard with a 5%-8% air entraining and slump between 3"-5".
- 2. Reinforcing bar spacing is center to center of bars. Double mat reinforcing bars shall have a bar cover clear distance between the surface of the bars and the surface of the concrete of 2 inches for formed and top surfaces and 3 inches for surfaces placed against earth.
- 3. Reinforcing bars shall be continuous from floors, walls, and footers into adjacent walls, floors, and/or footers.
- 4. Snap cone ties (3/4") shall be used for forming. All forms shall be removed prior to placing backfill.
- 5. All exposed edges shall be chamfered 3/4". All concrete shall be finished straight, smooth, clean, and neat.
- 6. All concrete shall be consolidated with a concrete mechanical vibrator.
- 7. All backfill material shall be minus 3" sands and gravels obtained from river excavations compacted in 12" lifts with a hand directed vibrating plate compactor.
- 8. The rock for riprap and for the weir structure shall be sound and angular with a minimum density of 2.5. The maximum dimension of the rock shall be no more than 2.5 times its least dimension. The rock shall be well graded and range in size from 6" min diameter to 24" max diameter. At least 60% of the rock shall be larger than 15" diameter.
- 9. The concrete shall be housed or blanketed and at no time shall the temperature of the concrete get below 40 degrees F.

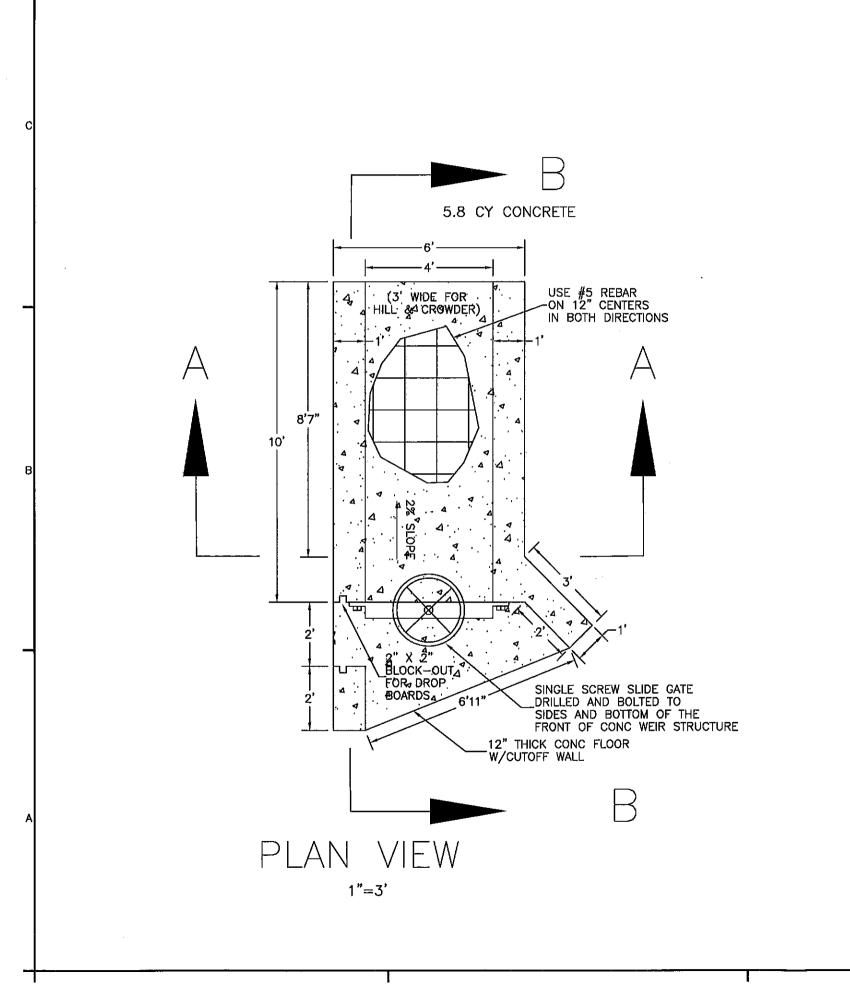


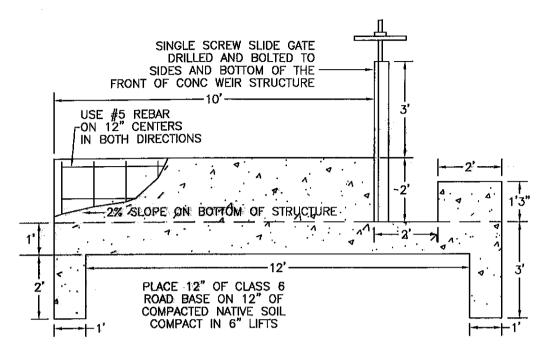


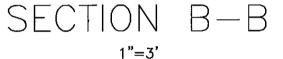


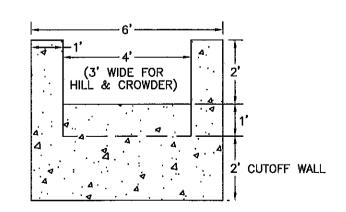












SECTION A-A

4.NE ASSOCIATES Legional by Coct. 2007 Ren.

163 Stingly Gulch Road Leg Cheeler by Cheel

AKAPAHUE N#K

DRYER / HILL & CROWDER

DIVERSION RECONSTRUCTION

JACKSON COUNTY, COLORADO

WEID STRICTION

Sheet reference number:

UPDATE

